In-Class Exercise - Python Print Exercises (Save As: printarea.py)

#Program Header: Your name

#Date:

#The following code will calculate the following Areas.

- **Write a Comment – The following code will …..**
- **Print("Area of a Rectangle")**
- **Assign any number to the variable recWidth.**
- **Assign any number to the variable recHeight.**
- **Create a variable recArea that will multiply recWidth and recHeight.**
- **Write one PRINT statement to output the following:**
  OUTPUT: The area of a rectangle is variable.

- **Write a Comment – The following code will …..**
- **Print("Area of a Triangle")**
- **Assign any number to the variable triBase.**
- **Assign any number to the variable triHeight.**
- **Create a variable triArea that will use the following FORMULA:**
  (Area of a Triangle = ½ * base * height)
- **Write one PRINT statement to output the following:**
  OUTPUT: The area of a triangle is variable.

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#Write a Comment – The following code will …..

- **Print("Sphere Calculations")**
- **Assign any number to the variable radius for the radius of a sphere.**
- **The approximate value of pi is 3.14159. Assign the value of pi (up to 2 decimals) to the variable pi.**

- **Create a variable sphDiameter. Write a formula for the Diameter of a Sphere using the following FORMULA: (d = 2r)**
- **Write one PRINT statement to output the following:**

  OUTPUT: The diameter of a sphere of radius variable is variable.

- **Create a variable sphArea. Write a formula for the Surface Area of a Sphere. (Use the Internet to search for the formula for the Surface Area of a Sphere)**
- **Write one PRINT statement to output the following:**

  OUTPUT: The surface area of a sphere of radius variable is variable.

- **Create a variable sphVol. Write a formula for the Volume of a Sphere. (Use the Internet to search for the formula for the Volume of a Sphere)**
- **Write one PRINT statement to output the following:**

  OUTPUT: The volume of a sphere of radius variable is variable.